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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/530,715	· 04/08/2005	Brian Ellis	608-454	7314
	7590 12/12/2007 NDERHYE, PC		EXAMINER	
901 NORTH G	LEBE ROAD, 11TH FLO	OR OH, TAYLOR V		YLOR V
ARLINGTON,	VA 22203		ART UNIT PAPER NUMBE	PAPER NUMBER
·		•	MAIL DATE	DELIVERY MODE
			12/12/2007	. PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)
Office Action Summary		10/530,715	ELLIS, BRIAN
		Examiner	Art Unit
		Taylor Victor Oh	1625
Period fo	The MAILING DATE of this communication app	ears on the cover sheet with	the correspondence address
A SH WHIC - Exte after - If NC - Faill Any	IORTENED STATUTORY PERIOD FOR REPL' CHEVER IS LONGER, FROM THE MAILING Do ensions of time may be available under the provisions of 37 CFR 1.1 of SIX (6) MONTHS from the mailing date of this communication. Of period for reply is specified above, the maximum statutory period of the provision of t	ATE OF THIS COMMUNIC, 36(a). In no event, however, may a reposite apply and will expire SIX (6) MONTIS, cause the application to become ABA	ATION. ly be timely filed HS from the mailing date of this communication. NDONED (35 U.S.C. § 133).
Status			
2a)	Responsive to communication(s) filed on <u>08 A</u> . This action is FINAL . 2b) This Since this application is in condition for alloward closed in accordance with the practice under Expression 1.	action is non-final. nce except for formal matte	
Disposit	ion of Claims		
5) 6) 7)	Claim(s) 1-11 is/are pending in the application 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 1-11 are subject to restriction and/or or	wn from consideration.	
Applicat	ion Papers		
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine	epted or b) objected to by drawing(s) be held in abeyanction is required if the drawing(s	e. See 37 CFR 1.85(a).) is objected to. See 37 CFR 1.121(d).
Priority (under 35 U.S.C. § 119		
а)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau See the attached detailed Office action for a list	s have been received. s have been received in Ap rity documents have been r u (PCT Rule 17.2(a)).	plication No eceived in this National Stage
2)	nt(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	Paper No(s)	mmary (PTO-413) Mail Date ormal Patent Application

Lack of Unity

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

- Group I, claims 1-9, drawn to a catalyst composition comprising

 MOaWbAuCVdNbeYf(I) for the oxidation of ethane and/or ethylene to
 acetic acid.
- Group II, claims 10-11, drawn to a process for the selective production of acetic acid from a gaseous mixture containing ethane and/or ethylene.
- I. The inventions listed as Groups I-II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

the international application shall relate to one invention only or to a group of inventions so linked as to form a single general inventive concept (" requirement of unity of invention").

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PCT Rule 13.2 states "Where a group of inventions is claimed in one and the same international application, the requirement of unity of invention referred to in Rule 13.1 shall be fulfilled only when there is a technical relationship among those inventions involving one or more of the same or corresponding special technical features. The expression "special technical features" shall mean those technical features that define a contribution which each of the claimed inventions, considered as a whole, makes over the prior art.

In the instant case, the invention of Group I is directed to the catalyst composition comprising MOaWbAuCVdNbeYf(I) for the oxidation of ethane and/or ethylene to acetic acid, whereas the invention of Group II is directed to the process for the selective production of acetic acid from a gaseous mixture containing ethane and/or ethylene.

However, the same final acetic acid can be produced by using the different catalyst composition unlike the invention of group I as shown in McCain, Jr. et al (US 5,162,578), which describes that the acetic acid is obtained from the catalystic oxidation of ethane or ethylene in contact with a mixed catalyst composition:

MoxVyZz. Thus, there is no single general inventive concept and no unity of invention for the method or the process as defined in 37 CFR 1.475.

Therefore, there is no single general inventive concept and no unity of invention between the method of producing acetic acid and the catalyst composition as defined in 37 CFR 1.475.

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37 CFR 1.475 states that a national stage application containing claims to different categories of invention will be considered to have unity of invention if the claims are drawn only to one of the following combination of categories:

- a. A product and a process specially adapted for the manufacture of said product; or
- b. A product and a process of use of said product; or
- c. A product, a process specially adapted for the manufacture of the said product, and a use of the said product; or
- d. A process and an apparatus or means specially designed for carrying out the said process; or
- e. A product, a process specially adapted for the manufacture of the said product, and an apparatus or means specially designed for carrying out the said process.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not

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distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Taylor Victor Oh whose telephone number is 571-272-0689. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres can be reached on 571-272-0867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TAYLOR VICTOR
PRIMARY EXAMINA
(L/V/7)

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